Application No.: 10/797,119
Examiner: J. H. Nasri
Art Unit: 4679

Amendments to the Claims

The claims are amended as shown on the following pages under the heading LIST OF CURRENT CLAIMS. The list shows the status of all claims presently in the application including any current amendments. This list of claims is intended to supersede all prior versions of the claims in the application. Any cancellation of claims is made without prejudice or disclaimer.

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LIST OF CURRENT CLAIMS

1. (Currently Amended) A mold pin for a cable terminal, comprising a resin mold body and press-fitting pins buried in the resin mold body and arranged to be press-fitted into conductive through-holes in a printed board in order to connect a cable to the through-holes,

wherein soldered portions for fixing conductive lines protruding from connecting ends of the cable are formed at base ends of the press-fitting pins, the soldered portions form notch portions at edge portions of the press-fitting pins, the notch portions facing axial insertion directions of said conductive lines and defining axial insertion paths such ~~and are formed in such a manner~~ that at least one of the conductive lines of the connecting ends of the cable is inserted straight into a respective one of the notch portions, the at least one conductive lines fills the respective one of the notch portions to an appropriate thickness and is coplanar with the press-fitting pins, and the soldered portions are buried inside the resin mold body.

2. (Previously Amended) The mold pin for a cable terminal according to Claim 1, wherein the conductive lines buried inside the resin mold body are single signal lines or a signal line and a shield line, and at least the shield line is fixed to each of the press-fitting pins in the soldered portions.

3. (Currently Amended) The mold pin for a cable terminal according to Claim 2 [1], wherein in the notch portions of the soldered portions for fixing the shield line of the cable, the edge portions thereof are cut out in the same direction as twisted shield lines.

4. (Previously Amended) The mold pin for a cable terminal according to Claim 3, wherein the soldered portions for fixing the signal line of the cable to the press-fitting pins are soldered in such a manner that the edge portions thereof are cut out in the same direction as the twisted shield lines, the signal line is inserted into the notch portion and the notch portions are filled with the signal line to an appropriate thickness.

5. (Previously Amended) The mold pin for a cable terminal according to Claim 4, wherein the cable is a one-core coaxial cable or multi-core coaxial cable having more than two cores, a plurality of the press-fitting pins is provided parallel to each other, said press-fitting pins being supported by a supporting frame and spaced from each other so as to be separable from an end opposite to the base end, and the shield line and the signal line being inserted into the notch portion to be soldered in each of the press-fitting pins that is supported by the supporting frame.

6. (New) A mold pin for a cable terminal, comprising a resin mold body and press-fitting pins buried in the resin mold body and arranged to be press-fitted into conductive through-holes in a printed board in order to connect a cable to the through holes;

wherein soldered portion for fixing conductive lines protruding from connecting ends of the cable are formed at base ends of the press-fitting pins, the soldered portions form notch portion at edge portions of the press-fitting pins, the notch portion facing said conductive lines such that at least one of the conductive lines of the connecting ends of the cable is inserted straight into a respective one of the notch portions, the at least one conductive lines fills the respective one of the notch portions to an appropriate thickness and is coplanar with the press-fitting pins, and the soldered portion are buried inside the resin mold body.

7. (New) The mold pin for cable terminal according to claim 6, wherein the conductive lines buried inside the resin mold body are single signal lines or a signal line and a shield line, at least the shield line is fixed to each of the press-fitting pins in the soldered portions.

8. (New) The mold pin for cable terminal according to claim 7, wherein in the notch portions of the soldered portions for fixing the shield line of cable, the edge portions thereof are cut out in the same direction as twisted shield lines.

9. (New) The mold pin for cable terminal according to claim 8, wherein the soldered portions for fixing the signal line of the cable to the press-fitting pins are soldered in such a manner that the edge portions thereof are cut out in the same direction and twisted signal lines, the signal line is inserted into the notch portion and the notch portion are filled with the signal line to an appropriate thickness.

10. (New) The mold pin for cable terminal according to claim 9, wherein the cable is a one-core coaxial cable or multi-core coaxial cable having more than two cores, a plurality of the press-fitting pins is provided parallel to each other being, said press-fitting pins being supported by a supporting frame and spaced from each other so as to be separable from an end opposite to the base end, the shield line and the signal line being inserted into the notch portion to be soldered in each of the press-fitting pins that is supported by the supporting frame.

11. (New) A mold pin for a cable terminal, comprising a resin mold body and press-fitting pins buried in the resin mold body and arranged to be press-fitted into conductive through-holes in a printed board in order to connect a cable to the through-holes,

wherein soldered portions for fixing conductive lines protruding from connecting ends of the cable are formed at base ends of the press-fitting pins, the soldered portion of each press-fitted pin having a notch portion at an edge portion of the press-fitting pin, the notch portion facing an axial insertion direction of one of said conductive lines and defining an axial insertion path such that at least one of the conductive lines of the connecting ends of the cable is inserted straight into a respective one of the notch portions, the at least one conductive line fills the respective one of the notch portions to an appropriate thickness and is coplanar with the press-fitting pins, and the soldered portions are buried inside the resin mold body;

wherein at least one of notch portions is angled with respect to said cable.

12. (New) The mold pin for a cable terminal according to claim 11, wherein the conductive lines buried inside the resin mold body are single signal lines or a signal line and a shield line, and at least the shield line is fixed to each of the press-fitting pins in the soldered portions.

13. (New) The mold pin for a cable terminal according to claim 11, wherein in the notch portions of the soldered portions for fixing the shield line of the cable, the edge portions thereof are cut out in the same direction as twisted shield lines.

14. (New) The mold pin for a cable terminal according to claim 13, wherein the soldered portions for fixing the signal line of the cable to the press-fitting pins are soldered in such a manner that the edge portions thereof are cut out in the same direction as the twisted shield lines, the signal line is inserted into the notch portion and the notch portions are filled with the signal line to an appropriate thickness.

15. (New) The mold pin for a cable terminal according to claim 14, wherein the cable is a one-core coaxial cable or multi-core coaxial cable having more than two cores, plurality of the press-fitting pins is provided parallel to each other, said press-fitting pins being supported by a supporting frame and spaced from each other so as to be separable from an end opposite to the base end, and the shield line and the signal line being inserted into the notch portion to be soldered in each of the press-fitting pins that is supported by the supporting frame.